AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following listing of all claims:

1. – 25. (Canceled)

26. (Currently amended) A method for configuring a point to point communication link coupling a first and a second device, the method comprising:

configuring a first communication link interface in the first device, the configuring including,

setting in a transmit width field in the first device a transmit width of a transmit portion of the first communication link interface based on a lesser of a maximum transmit width of the transmit portion of the first communication link interface specified in a maximum transmit width field on the first device and a maximum receive width of a receive portion of a second communication link interface in the second device; and

setting in a receive width field in the first device a receive width of a receive portion of the first communication link interface, separately from setting the transmit width, based on a lesser of a maximum receive width of the receive portion of the first communication link interface specified in a maximum receive width field in the first device and a maximum transmit width of a transmit portion of the second communication link interface.

27. (Previously presented) The method as recited in claim 26 further comprising:

configuring the second communication link interface in the second device, the configuring including,

setting a transmit width of a transmit portion of the second communication link interface based on a lesser of a maximum transmit width of the transmit portion of the second communication link interface specified in a maximum transmit width field on the second device and [a] the maximum receive width ~~of a receive portion~~ of the first communication link interface; and

setting a receive width of a receive portion of the second link interface separately from setting the transmit width based on a lesser of a maximum receive width of the receive portion of the second communication link interface specified in a maximum receive width field on the second device and [[a]] the maximum transmit width ~~of the transmit portion~~ of the first communication link interface.

28. (New) A method for configuring a first integrated circuit for communicating on a communication link having a separate transmit portion and a receive portion, the method comprising:

providing a receive width field, a transmit width field, a maximum receive width field and a maximum transmit width field, the maximum transmit and receive width fields specifying a physical size of the separate transmit and receive portions, respectively, for the communication link;

setting the receive width field in the first integrated circuit to be the smaller of the maximum receive width field and a maximum transmit width field in a second communication interface on a second integrated circuit; and

setting the transmit width field to be the smaller of the maximum transmit width field and a second maximum receive width field in the second integrated circuit, thereby specifying the transmit and receive widths for the link.

29. (New) The method as recited in claim 28 further comprising setting a default width of the transmit width field and the receive width field.

30. (New) The method as recited in claim 1 wherein the default width is one byte.

31. (New) An integrated circuit comprising:

configuration registers for configuring a link interface for a communication link, the communication link including a transmit portion and a receive portion separate from the transmit portion, the configuration registers including a receive width field, a maximum receive width field, a transmit width field, and a maximum transmit width field, and wherein the maximum receive width field provides a

physical width of the transmit portion of the link on the integrated circuit, and wherein the maximum transmit width field provides a physical width of the transmit portion of the link on the integrated circuit; and wherein the receive width field specifies the receive width of the receive portion and the transmit width field specifies the transmit width of the transmit portion.

32. (New) The integrated circuit as recited in claim 31 wherein the receive width field is programmed to be the smaller of the maximum receive width field and a second maximum transmit width field in a second integrated circuit coupled to the communication link; and wherein the transmit width field is programmed to be the smaller of the maximum transmit width field and a second maximum receive width field in the second integrated circuit, thereby specifying the transmit and receive widths for the communication link.

33. (New) The integrated circuit as recited in claim 31 wherein the transmit and receive width fields are configured to a default value.

34. (New) The integrated circuit as recited in claim 33 wherein the default value is one bit.

35. (New) The integrated circuit as recited in claim 33 wherein the default value is one byte.